



PATENT

Case Docket No. DATUMTE.015A

Date: January 5, 2004

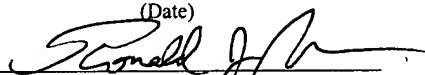
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Taylor, et. al.
Appl. No. : 10/732,998
Filed : December 11, 2003
For : CACHE MEMORY
ARCHITECTURE AND
ASSOCIATED
MICROPROCESSOR DESIGN
Examiner : Unknown
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

January 5, 2004

(Date)


Ronald J. Schoenbaum, Reg. No. 38,297

TRANSMITTAL LETTER

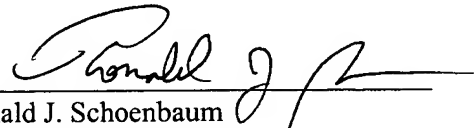
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are the following:

- (X) A Power of attorney form and copy of assignment in 2 pages; and
- (X) A return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.


Ronald J. Schoenbaum
Registration No. 38,297
Attorney of Record
Customer No. 20,995
(949) 760-0404



DATUMT/015A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Taylor, et. al.)
App. No. : Unknown at this time (10/732,998))
Filed : Herewith (December 11, 2003))
For : CACHE MEMORY ARCHITECTURE)
AND ASSOCIATED)
MICROPROCESSOR DESIGN)
Examiner : Unknown)

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION

AND

REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, **Customer**

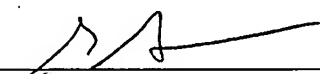
App. No. : Unknown at this time **(10/732,998)**
Filed : Herewith **(December 11, 2003)**

No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

PMC-Sierra, Inc.

Dated: Dec. 9, 2003

By: 
Greg Aasen

Title: Chief Operating Officer

Address: Mission Tower One
3975 Freedom Circle
Santa Clara, CA 95054

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102203

COPY

Application No.: Unknown at this time
Filing Date: Herewith

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Client Code: DATUMTE.015A
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ASSIGNMENT


WHEREAS, We, **Michael DeMar Taylor**, a United States citizen, residing at 2976 Camargo Court, San Jose, California 95132, **John R. Kinsel**, a United States citizen, residing at 1721 Winston Street, San Jose, California 95131 and **Tom Riordan**, a United States citizen, residing at 176 Coronado Avenue, Los Altos, California 94022, have invented certain new and useful improvements in a **CACHE MEMORY ARCHITECTURE AND ASSOCIATED MICROPROCESSOR DESIGN** for which we have executed an application for Letters Patent in the United States, on even date herewith;

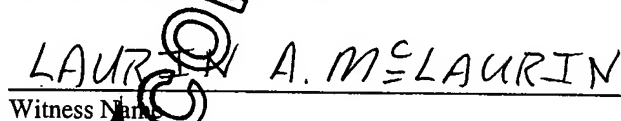
AND WHEREAS, **PMC-Sierra, Inc.** (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at Mission Tower One, 3975 Freedom Circle, Santa Clara, CA 95054, desires to acquire the entire right, title, and interest in and to the improvements and the Application:

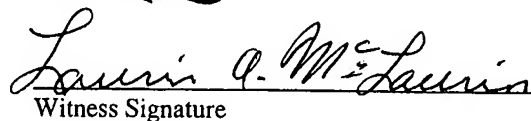
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the improvements, and the application and all provisional applications relating thereto (including provisional application 60/454,365, filed March 11, 2003), and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for improvements in any country or countries foreign to the United States and all extensions; renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for improvements to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 6 day of November, 2003.


Michael DeMar Taylor


Witness Name


Witness Signature

Application No.: Unknown at this time
Filing Date: Herewith

COPY

PATENT
Client Code: DATUMTE.015A
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7 day of November, 2003.

John R. Kinsel
John R. Kinsel

RAYMOND KUNITA
Witness Name

Raymond Kunita
Witness Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7 day of NOVEMBER, 2003.

Tom Riordan
Tom Riordan

Raymond Kunita
Witness Name

RAYMOND KUNITA
Witness Signature